REMARKS/ARGUMENTS

In response to the Examiner's final Office Action of May 2, 2006 the Applicant respectfully submits the accompanying Amendment to the claims and the below Remarks.

Regarding Amendment

In the Amendment:

independent claim 1 is amended to recite that the first integrated circuit stores a secret key K_A, that the second integrated circuit stores a public key K_T which is used by function F[R] to return $F_{KT}[R]$, that the first integrated circuit applies a function D[FKT[R]] to return $D_{KA}[F_{KT}[R]]$, and that the control system requests the returned functions so as to obtain R_A from the first integrated circuit which is compared with R from the second integrated circuit. Support for this amendment can be found at page 39, line 4-page 40, line 13 of the present specification;

dependent claims 2 and 3 are amended to conform with amended claim 1 and to clarify that the second integrated circuit is being claimed;

dependent claim 4 is amended to conform with amended claim 1 and to recite that the linear feedback register holds the random number function;

dependent claim 5 is cancelled; and

independent claim 6 is amended similar to amended claim 1.

It is respectfully submitted that the above amendments do not add new matter to the present application.

Regarding 35 USC 112, first paragraph Rejections

It is respectfully submitted that the subject matter of above-discussed amendment of dependent claim 4 is fully enabled by the description of the present specification at page 51, line 29-page 52, line 10.

Regarding 35 USC 112, second paragraph Rejections

Claims 1 and 6

It is respectfully submitted that above-discussed amended claims 1 and 6 clearly recite that the random number is generated by the second integrated circuit or integrated circuit of the device and that the first integrated circuit or integrated circuit of the consumable return R_A based on the claimed functions. Accordingly, it is respectfully submitted that claims 1 and 6 do not recite that two separate circuits generate the same random number.

Claim 3

It is respectfully submitted that above-discussed amended claim 3 clearly recites that the second integrated circuit is being claimed.

Claim 4

It is respectfully submitted that above-discussed amended claim 4 clearly recites that the linear feedback register holds the random number function.

Regarding 35 USC 102(b) and 103(a) Rejections

It is respectfully submitted that the subject matter of above-discussed amendment independent claims 1 and 6, and dependent claims 2-4, is not disclosed or suggested by newly cited Redl et al. (An Introduction to GSM), because Redl does not disclose an apparatus and method in which secret and public keys are used by the integrated circuits of the apparatus and a consumable device in separate functions for generating comparable random number values as in the claimed invention.

It is respectfully submitted that all of the Examiner's rejections have been traversed. Accordingly, it is submitted that the present application is in condition for allowance and reconsideration of the present application is respectfully requested.

Very respectfully,

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